

2

LUC-814 / ALU 800974

Claim AmendmentsRECEIVED
CENTRAL FAX CENTER

AUG 05 2011

1. (previously presented) A method of controlling communications service in a telecommunications system comprising first and second subsystems the first subsystem being adapted to support first and second communications services and the second subsystem being adapted to support the second communications service,

the method comprising the following steps in the case of a first mobile terminal having a call in progress with a second terminal under the first communications service via the first subsystem:

detecting a call transfer condition for transferring the call to the second subsystem;

if the second subsystem is not adapted to process the call under the first communications service, changing service from the first communication service to the second communication service; and

after the change of service is complete, transferring the call to the second subsystem.

2. (previously presented) A method according to claim 1, wherein a radio network controller of the first subsystem is connected to a core network switch and a radio network controller of the second subsystem is connected to a second core network switch, wherein, after the first switch has been informed of said detection of a call transfer condition, a request to transfer the call from the first switch to the second switch is transmitted, and wherein the inability of the second subsystem to process the call under the first communications service is indicated to the first switch by a transfer failure message sent in response to said transmission of the call transfer request.

3. (original) A method according to claim 1, wherein the first subsystem is of the third generation and the second subsystem is of the second generation.

4. (original) A method according to claim 1, wherein the first communications service necessitates a higher transmission bit rate than the second communications service.

5. (original) A method according to claim 1, wherein each communications service is associated with coding over at least a segment of the call and the service change request includes a request to change the coding over said call segment.

6. (original) A method according to claim 5, wherein the coding associated with the first communications service is compatible with the H.324 standard.

7. (previously presented) A method according to claim 1, wherein the first communications service is a videotelephone service.

8. (previously presented) A method according to claim 1, wherein the second communications service is a voice telephone service.

9. (original) A method according to claim 8, wherein Adaptive Multirate (AMR) coding is associated with the second communications service.

10. (canceled)

11. (previously presented) A method according to claim 1, wherein, if the second communications service necessitates a bit rate over a radio segment that is strictly lower than a maximum bit rate value authorized by the second subsystem, the surplus bit rate is used to transmit data via at least said base station of the radio access network of the second subsystem.

12. (previously presented) A method according to claim 1, wherein the service change request is transmitted to the first mobile terminal and to the second terminal.

13. (original) A method according to claim 12, wherein the service change request is transmitted to the second terminal via at least a switch, a radio network controller and a base station to which the second terminal is connected.

14. (currently amended) A method according to claim 1, wherein the service change request includes a request for modification of radio access bearer characteristics of the call respectively at the mobile first terminal end and at the second terminal end; and

a change ~~form~~ from a first codec to a second codec is affected before the call is transferred, where the first codec performs coding and decoding for the first and second communications services, and the second codec performs coding and decoding for the second communications service.

15. (previously presented) A core network switch of a telecommunications system comprising first and second subsystems each including a radio access network comprising base stations and at least a radio network controller connected to at least some of said base stations, at least some of the radio network controllers also being connected to said core network switch, the first subsystem being adapted to support first and second communications services and the second subsystem being adapted to support the second communications service, said core network switch comprising, in relation to a first mobile terminal having a call in progress with a second terminal under the first communications service via a base station of the radio access network of the first subsystem:

means for receiving an indication that the radio network controller of the first subsystem has detected a call transfer condition for transferring the call to a base station of the radio access network of the second subsystem;

means for requesting a service change in order for said call to continue under the second communications service if the second subsystem is not adapted to process the call under the first communications service and if the second subsystem is not adapted to process the call under the first communication service, changing service from the first communication service to the second communication service; and

after the change of service is complete, transferring the call to the second subsystem.

16. (original) A switch according to claim 15, wherein the radio network controller of the first subsystem is connected to said core network switch and the radio network controller of the second subsystem is connected to a second core network switch, the switch further comprising means responding to reception of an indication that a call transfer condition has been detected by transmitting a call transfer request to the second switch and means for deducing that the second subsystem is not able to process the call under the first communications service from the reception of a transfer failure message in response to transmission of said call transfer request.

17. (original) A switch according to claim 15, wherein the first subsystem is of the third generation and the second subsystem is of the second generation.

18. (original) A switch according to claim 15, wherein the first communications service necessitates a higher transmission bit rate than the second communications service.

19. (original) A switch according to claim 15, wherein each communications service is associated with coding over at least a segment of the call and the means for requesting a service change comprise means for requesting a coding change over said segment of the call.

20. (original) A switch according to claim 19, wherein the coding associated with the first communications service is compatible with the H.324 standard.

21. (currently amended) A switch according to claim 15, wherein the first communications service is a videotelephone service, and wherein the second communications service is a voice telephone service.

22. (canceled) ~~A switch according to claim 15, wherein the second communications service is a voice telephone service.~~

23. (original) A switch according to claim 22, wherein Adaptive MultiRate (AMR) coding is associated with the second communications service.

24. (canceled)

25. (original) A switch according to any claim 15, wherein the means for requesting a service change comprise means for transmitting a service change request to change from the first communications service to the second communications service to the mobile first terminal and to the second terminal.

26. (original) A switch according to claim 25, wherein the means for transmitting a service change request to the second terminal are provided by at least a switch, a radio network controller and a base station to which the second terminal is connected.

27. (previously presented) A switch according to claim 15, wherein the means for requesting a service change include means for requesting a modification of characteristics of at least a radio access bearer of the call; and

wherein a change from a first codec to a second codec is affected before the call is transferred to the second subsystem, where the first codec supports the first and second communications services, and the second codec supports the second communications services.

28. (previously presented) A method according to claim 2 wherein said transfer failure message is sent to the first core network switch and is forwarded to the radio network controller of the first subsystem and the step of informing the first switch of detection by the radio network controller of the first subsystem of a call transfer condition for transferring the call to a base station of the radio access network of the second subsystem is repeated for as long as a transfer failure message is forwarded to the radio network controller of the first subsystem.

29. (previously presented) A switch according to claim 16, further comprising means for forwarding said transfer failure message to the radio network controller of the first subsystem.

30. (new) A method comprising:

controlling communications service in a telecommunications system comprising first and second subsystems, the first subsystem being adapted to support first and second communications services and the second subsystem being adapted to support the second communications service, wherein in the case of a first mobile terminal having a call in progress with a second terminal under the first communications service via the first subsystem,

detecting a call transfer condition for transferring the call to the second subsystem;

if the second subsystem is not adapted to process the call under the first communications service, changing service from the first communication service to the second communication service while the call is on the first subsystem and continuing the call using only the second service, where changing service further comprises changing codecs from a first codec supporting the first service to a second codec supporting the second service; and

after the change of service is complete, transferring the call to the second subsystem.